Original /Duplicate /Triplicate

1st & Final Bill **CONTRACTCERTIFICATE** Est. cost 20.00 lakhs

No. (For Other Works) Date ..... 20.....

Work order No.EE/DD/W.O/92/15-16/ Dt : 31-03-2016

Division: DASARAHALLI Sub-Division.: **SHETTYHALLI** Job No: 013-16-000005

1. Bill Received No..... Dated ..... Cash Book Voucher No.....
Dated..... Scheduled Doctet No. Name of the Work **Drilling of borewell in ward no.13 Shetty halll Sub division**

Name of Contractor and Full Address **M/S R.LINGAPPA AND SONS #196 GANAPATI NILAYA 14TH CROSS 1ST MAIN ROAD NEW AVALAHALLI BDA LAYOUT BENGALURU-85**

Reference to Agreement No. EE/DD/Aggr/92 /2015-16. Dt: 31-03-2016

AEE/SDO/SBR 22/15-16 Dt 27-5-16

Certified that the measurements were taken by me on 27-5-16 .....and recorded at Pages ..... of measurement Book No. 4163 15-16 and that the work is satisfactorily executed.

4 16227 to 4 16239

For R. Lingappa and Sons

Proprietor

Contractor Officer –in-charge of work.

Certified that the measurements were taken by me on 27/5/16 and found correct. The work is satisfactorily executed.

Certified that the quantities of materials shown in column 3 of Account II have been actually brought to site of the work and the contractor has not previously received any advance on this security. These materials are of an imperishable nature and are all required for immediate use on the work in connection with items for finished work have been agreed upon. The agreement signed and executed by the contractor is recorded in the office.

Sub-Division Officer

ಎಸ್.ಬಿ.ಎಸ್, ದಾಸರಹಳ್ಳಿ, ಬೆಂಗಳೂರು

If Memorandum of Payment.

1) Total value of work done or supplies made as per account within
2) Deduct amount to be held in reserve being ..... Percent Rs.....
3) Balance.
4) Deduct Payments :
   a) Amount of previous payment as in the office Cash Book Voucher.
   No..... Dated ..... S.D. No..... ....
   b) Payments cost store or other materials supplied.
   Now made recovery of amount creditable to this /other work.
   Amount paid on this bill Cheque / Cash.
5) Balance being unpaid value of work done held in reserve.
6) Deduct cash advance made on the office Cash Book Voucher No.....
   Dated ..... Less adjustments.
7) Net amount due to or from contractor.
   Unadjusted items.
8) Advance to contractor for materials brought to site (as detailed) within
   Value of Government materials supplied.

For R. Lingappa and Sons

Proprietor

Contractor's Signature.

Received Rs..... (in words)

.....

By Cash and by adjustment of Payment as per memorandum.

Witnesses:
1.

2.
Dated. .....

Stamp

For R. Lingappa and Sons

Proprietor

(For use in the office)

Signature of Contractor.

Paid by me by cheque No..... Dated .....

Cash Rs..... Dated.....

Initials of Officer making payment.....

Sl. No.	Item grouped under sub-Heads and Sub-Works of the Estimate	Unit	Previous Measurement		Present Measurement			Total Upto Date		Remarks
			Qty	Cost	Qty	Rate Rs. P.	Amount	Qty	Cost	
1	Geophysical investigation of site for sinking borewell for supplying drinking water to the habitation either through the Hand pump,MWS of P.W.S.S by vertical electrical sounding by adopting venner or Schlumberger's method,including reconnaissance survey of geological formation, Gerophysical investigation of existing Ground Wate in the vicinity, its quality and acceptability of the users indicating the location of site, recommended depth of casing pipe required to seal the top unconsolidated formation including an extra depth of 1.0 meter in consolidated formation for proper seating of casing pipe, depth of drilling required to cover full depth of drilling required to cover full depth of aquifer proposed to be tapped, probable yield andother information required including transportation of instrument andaccessoreis to work site,, engaging technical personal and labour required etc.,	Nos.	—	—	3	1938.46	5815.38	3	5815.38	
2	Sinking borewell of 165mm dia clear using super fast Hydrolic rig of capacity 250PSIG na above CFM nad abaove in all strats including over burden upto 20mm fixing of casing pipes collars and cap with necessary, cutting and threading including transportation of rig and supporting Vehicles, crew charges and cost of consumables etc., complete including yield testing at the final depth with a minimum work in on compression for an hour (excluding cost of casing pipes collars cap etc.,). 0 to 50mtrs	mtr	—	—	150	315.18	47277	150	47277	
3	Above 50 to 100mtrs	mtr	—	—	150	412.00	61800	150	61800.-	
4	Above 100 to 150mtrs	mtr	—	—	150	458.35	68752	150	68752.5	
5	Above 150 mtrs to 200 mtrs	mtr	—	—	150	481.1	72165	150	72165.-	
6	Above 200 mtrs upto 250 mtrs	mtr	—	—	150	560.32	84048	150	84048	
7	Above 250 upto to 300mtrs	mtr	—	—	130	600.49	78063	130	78063	
8	supplying of ISI Mark 175 mm nominal bore medium black ERW casing pipe of 5mm thick black electric resistance continous welded midle steel tube material confirming to IS 1387/1993 and manufactured from hot rolled steel skelp/stripes in random length of 4 to 7mtr both ends threaded confirning to IS 554/1985 one end(including of all taxes) complete as per specfication & as per direction of Engineer-in-charge	mtr	—	—	240	1364.75	327540	240	327540	
9	Providing and fixing 250mm dia PVC pipe and as per specification and directions. Complete as per specfication & as per direction of Engineer-in-charge	Nos.	—	—	54	1133	61,182	54	61182.00	
10	175 mm dia M.S. Casing cap complete as per specfication & as direction of Engineer-in-charge	Nos.	—	—	3	103	309	3	309	
11	M.S. Casing pipe collars 'C' Class complete as per specfication & as direction of Engineer-in-charge	Nos.	—	—	48	154.50	7416	48	7416.0	
12	supply & delivery at site brand new texmo/innoval/lubi/sabar /Atalanta/calamal/waterman/Radha make suitable HP deep well submercible pumpset suitable for ver5tical installation in 150 dia borewells compressing of single stage or multistage CF pump close coupled by means of stainless steel coupling to suitable HP suitable speed totally enclosed and filled with pure drinking water squirrel cagesubmercible induction motor suitable for operation of 3Ph, 50Hz. 380/440 volts AC supply fitted with required accessories such as suction, casing, suction strainers, sand guard. Non return valve etc Complete the pump and motor shall from an integral unit with all the required fittings 15,000. HP 25 stage complete as per specfication & as per direction of Engineer-in-charge	Nos.	—	—	3	69334.6	208003	3	208003	
13	Providing,laying & jointing GI pipes confirming to IS specification of approved make with fitting such as collars bends elbows tees nipples plugs with cuts threads using white lead & lift etc,. Complete 'A' grade(excluding cost of fittings)b50mm dia GI pipe complete as specfication & as per direction of Engineer-in-charge	mtr	—	—	828	340.26	281735	828	281735	
14	Supplying and drawing 3 core PVC Sheathed submersible pump cable manufactured with electrolytic grade copper with flexible copper conductor confirming to table 3 class 5 of IS; 8130-1984 and virgin grade PVC insulation and sheathed suitable for working voltage upto 110 volts 4 sqmm of 56 strands 0.3mm dia complete as per specfication & as per direction of Engineer-in-charge	mtr	—	—	1800	169.28	295,704	1800	295,704	
15	Fabricating supplying and mounting MS box of 16 SWG suitable for floor/wall mounting, fully weather proof with provision for better hear description, (providing with hinged front cover, equipped size clamps with necessary cable entry pipe with gland and box should be finished with approved colour enamelled metal paint etc,. for 1 borewell complete as specfication & as Engineer-in-charge	sq/cm	—	—	66000	0.34	22440	66000	22440	
16	Supplying and delivery of brand new best make non – return valve of size 50mm as per IS:778/84 with latest amendments with ISI mark (As per rate approved by SE (DZ) 2007-08) 50mm Non Return Valve.	Nos.	—	—	9	1213.70	10923	9	10923	
17	Supplying and delivery of brand new best make Gate wheel valve of size 50mm as per IS:778/84 with latest amendments with ISI mark 50mm Gate wheel Valve.	Nos.	—	—	9	1696.44	15264	9	15264	
18	Providing and fixing of 50mm GI bend to the motor	Nos.	—	—	9	232.-	2089	9	2089	
19	Providing and fixing of 50mm GI union to the motor	Nos.	—	—	9	237.-	2134	9	2134	
20	Providing and fixing of 50mm GI elbow to the motor	Nos.	—	—	9	111.80	1006	9	1006	
21	Erection of pumpset including aligning and balancing with all necessary erection materials and labour including supply and erection of one pair supporting clamps, one borewell cap. Cable clips with bolts, nuts, valves guages etc., involved in the job. (Necessary GI pipe and specials will be supplied by the board at the site free of cost)	L	—	—	156	90.64	14140	156	14140	

Sl. No.	Item grouped under sub-Heads and Sub-Works of the Estimate	Unit	Previous Measurement		Present Measurement			Total Upto Date		Remarks
			Qty	Cost	Qty	Rate Rs. P.	Amount	Qty	Cost	
22	Supplying and fixing miniature circuit breakers/ Isolators on existing MCB distribution boards using necessary fixing materials and wiring complete as required.	Nos.	—	—	3	906.40	2719	3	2719	
23	Supplying & Laying of L.T.U.G Cable having aluminim conductor PVC insulated shethed, galvanised, steel, wire/ steel tape armoured cable with PVC outer sheathing 1.1 KV class (Conforming to IS 1554)	mtr	—	—	105	169.95	17845	105	17845	
24	Digging of Trenches of 0.6m x 0.50mtr wide refilling the trench to the required ground level and consolidating etc., omplete cutting road surfaces	mtr	—	—	105	56.65	5948	105	5948	
25	Supplying and fixing Class –A GI Pipe on pole / Wall / Drain crossing with necessary clamping arrangements for UG Cable of 1.1 KV class 40 MM	mtr	—	—	9	249.26	2243	9	2243	
26	Supplying, fixing, wiring, earth electrode for grounding conduits, I.C. cutouts and other equiments on the meter board using 40mm dia 2.90 mm thick GI pipe 2.5 mtr long buried in a pit. The pit should be filled with equal proportion of salt and charocoal 150mm alround the pipe to complete depth. The connection from the pipe to the conduit etc., is to be established through GI wire of size as per ISI specification 7.3.3 of IS 732 using 12mm dia bolts, nuts washers and checknuts etc, the pipe shall have 16 through holes of 122 mm dia.	Nos.	—	—	3	1699.50	5099	3	5099	
27	Supplying and fixing L.T. cast Iron pot Heads suitable for 1.1 KV class UG cable filled with necessary bitumen / insulating compound complete with terminals, clamps, bolts nuts and washers etc.,	Nos.	—	—	3	271.92	816	3	816	
28	providing and fixing gun metal wheel valve confirming to IS specification of approved make as per direction including all lead and lift etc.50mm dia	Nos.	—	—	9	1526.40	13738	9	13788	
29	Supplying and fixing polished wood board made of not less than 15mm thick plank on both sides with planks made out of not more than 2 pieces and fixing the same to wall using tapered inverted wooden plugs screws etc.,	Nos.	—	—	3	311.58	935	3	935	
30	Earthwork excavation for foundation of buildings, water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, in hard soil not exceeding 1.5m in depth including dressing the bottom and sides of pits and trenches stacking the excavated soil clear for edges of excavation with lead upto 50 m. after breaking of clods complete as per specifications.	cum	—	—	153.90	283.02	43557	153.90	43557	
31	Providing and installation at site of work P.V.C Pipes 6 kg /cm2 including cost of pipes and specials and labour including lowering into treanches, laying true to line, level and perfect linking at Joints, leak proof including jointing of approved type with handling charges including encasing the pipe aloround to a depth not less than 15 cms with gravel or selected earth available from the excavation etc., complete.	mtr	—	—	285	130.38	37158	285	37158	
32	Refilling available earth around pipe lines, cables in layers not exceeding 20 cms in depth, compacting each deposited layer by ramming after watering with lead upto 50m. and lift upto 1.5m including cost of all labour complete as per specifications allow 60% of rate considered under item KSRB 2.3	cum	—	—	153.90	76.32	11746	153.90	11746	
33	Erection of pumping machineries complete as per specification and as per direction of of engineer in charge	Nos.	—	—	3	950	2850	3	2850	
34	supplying and delivery @ site brand new/essen/lotus sunshines/adaesh/hk controls best indenous make combine energy meter cum control panel board unit of size 1200x600x300mm minimum mechanically strong and vermin and waterproof the unit shell have two detachable doors suitable for operation on 3ph 50hz,380/ 440 volts AC supply with spring loaded loaded lach locking with a key ribs should be proveided inside the door canopy apron and louvers vertilaters shall be provided the combine energy meter cum control panel board unit suitable for opertaion for 3ph,50hz,380/44 ac supply shall be consisted stc. completed T panel board shall be fabricated on single unit in the above components panel board for suitable pumpset above 6.50 HP to 15.00 HP with star delta starter(MR)		—	—	—	—	—	—	—	
35	providing and fixing of clamps setborewell cap to the pump(MR)		—	—	—	—	—	—	—	
36	erection of combined panel board meter board with all necessisary materials and labour including providing CC 1:3:6 foundation bed etc.comploete for basement outdoor type.(MR)		—	—	—	—	—	—	—	
37	Supplying shunt capacitor's conforming to IS 2834,3 Phase 400/440 volts grade for power factor improvement of rotating machinery, Capacitor in KVAR rating Nos		—	—	—	—	—	—	—	
38	providing and installation at site of work 20mm GI pipe including cost of pipes and specials and labour including lowering into trenches laying true mto line complete as per direction of engineer in charge for public taps. For motar and pipe line		—	—	3		30387	3	30387	
39	**BESCOM deposit charges**								1843,296.99	
	TOTAL									

Cetificate

1 Certified that the contractor has done the work Satisfactory and found Correct
2 Certified that there is no due from the contractor.
3 Certified that the contractor making own arrengments for men and materials

ಎಸ್.ಎಂ ರಸ್ತೆ, ವಿಜಯನಗರ, ಬೆಂಗಳೂರು